

SPECIFICATION AMENDMENT

Please add the following new heading and paragraph at page 1, line 13:

CROSS-REFERENCE TO RELATED APPLICATION

This application hereby incorporates by reference and claims benefit of U.S. Application No. 09/689,271, filed 10/11/2000, now U.S. Patent No. 6,636,488.

Please replace the paragraph at page 5, lines 6-16, with the following amended paragraph:

In a second aspect of the invention, upstream retransmission control is placed in the receiver of the upstream communication (i.e., the BSC) rather than the transmitter of the upstream communication (i.e., the CPE). In order to control retransmission, the BSC dynamically and adaptively allocates acknowledgement time slots within the upstream portion of the TDD frame for use by each selected CPE. Thus, the BSC, in addition to determining parameters for automatic retransmission, also determines an amount of bandwidth allocated to each selected CPE for sending messages associated with automatic retransmission (such as acknowledgement or non-acknowledgement messages). As part of this ~~third~~ second aspect of the invention, the BSC allocates some portion of the upstream bandwidth as a shared resource and some portion of the upstream bandwidth as unshared (that is, specifically allocated to a selected CPE) when there are messages received but not yet acknowledged.

Please replace the paragraphs at page 7, lines 15-24, with the following amended paragraphs:

U.S. Patent Application Serial No. 09/475,642, Express Mail Mailing No. EL524780018US, filed December 30, 1999 in the names of Reza Majidi-Ahy, Subir Varma, Khuong Ngo, Jean Fuentes and Paul ~~Trang~~, Truong, attorney docket number 164.1002.01, now U.S. Patent No. 6,650,623, titled "Adaptive Link Layer for Point to Multipoint Communication System."

U.S. Patent Application Serial No. 09/475,716, Express Mail Mailing No. EL524780021US, filed December 30, 1999 in the names of Reza Majidi-Ahy, Joseph Hakim, and Subir Varma, attorney docket number 164.1003.01, now U.S. Patent No. 6,654,384, titled "Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint Communication System."

Please replace the paragraphs at page 8, lines 12-16, with the following amended paragraph:

U.S. Patent Application Serial No. 09/475,716 6620,826, Express Mail Mailing No. ~~EL524780021US, filed December 30, 1999~~ EL524780959US, filed July 21, 2000 in the name of Reza Majidi-Ahy, Joseph Hakim, and Subir Varma, attorney docket number

~~164.1003.01~~, 164.1017.01, titled "Integrated, Self-Optimizing, Multi-Parameter/Multi-Variable Point-to-Multipoint Communication System [II]."

Please replace the paragraphs at page 17, lines 2-11, with the following amended paragraph:

At a flow point 310, the BSC 120 and the CPE 130 are ready to begin a ~~TDMA~~ TDD frame.

At a step 311, the BSC 120 and the CPE 130 conduct communication using a ~~TDMA~~ TDD frame. As part of this step, the BSC 120 directs the CPE 130 regarding which physical parameters and MAC parameters to use.

At a step 312, the BSC 120 determines characteristics of the communication link with the CPE 130, in response to performance of the communication during the previous ~~TDMA~~ TDD frame.